ZyXEL GS-2024 V3.80(LT.1)C0

Release Note/Manual Supplement

Date: Dec. 04, 2007

This document describes the features in the GS-2024 product for its 3.80(LT.1)C0 release.

Support Platforms:

ZyXEL GS-2024 V3.80(LT.1)C0 supports models: ZyXEL GS-2024

Version:

ZyNOS F/W Version: V3.80(LT.1) | 12/03/2007 17:40:14
Bootbase Version: V0.8 | 04/23/2007 13:32:12

Default Bootbase Setting:

ZyNOS Version	V3.80(LT.1) | 12/03/2007 17:40:14
Bootbase Version	V0.8 | 04/23/2007 13:32:12
Vendor Name	ZyXEL
Product Model	GS-2024
ZyNOS Code Model	GS-2024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	AA
RomFile Checksum	8f0d
ZyNOS Checksum	9f4e
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
B8 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 41 13 00 00 00	

Enhanced Features:

1. 802.1s MSTP
2. SNMPv3
3. Multilevel CLI
4. SNMP trap group
5. configurable multicast VLAN
6. independent IGMP snooping and MVR setting

7. enlarge concurrent telnet session
8. RADIUS accounting
9. TACACS+ authentication
10. TACACS+ accounting
11. IGMPv3 snooping
12. Loop guard
13. Daylight saving time
14. DHCP relay
15. Enlarge system logs

Features:

1. MAC address learning
2. Support IEEE 802.1D transparent bridge
3. Support IEEE 802.1Q tagged VLAN
4. Support Port-based VLAN
5. Support IEEE 802.1X
6. Support IEEE 802.1W
7. Support IEEE 802.3AD
8. Support GVRP
9. IGMP snooping
10. Support IEEE 802.1p
11. Automatic age out
12. Specific MAC addresses forwarding per port
13. Port Trunking
14. Port Mirroring
15. Bandwidth Control
16. Broadcast Storm Control
17. Support Strict Priority and WRR queuing method
18. Static IP management or dynamic IP(DHCP client)
19. Multiple IP address management
20. Firmware upgrade and configuration backup/restore.
21. Remote manageable.
22. Cluster Management
23. WEB manageable
24. Support RFC-1213 MIB II
25. Support RFC-1493 Bridge MIB
26. Support RFC-1643 Ethernet MIB
27. Support RFC-1757 Four group of RMON
28. Support RFC-2674 VLAN MIB
29. NEW CLI supported
30. System configuration backup / restore in text-mode
31. Multiple login supported
32. Radius management authentication
33. SSH/SSL support
34. DiffServ feature (DSCP – 802.1p priority mapping)
35. Multicast
36. MVR
37. IGMP Filtering
38. Syslog
39. Administration user management
40. RADIUS enhancement(for 802.1X enhancenment and multiple radius servers)
41. IGMP enhancement
42. Web enhancement (Select all, Clone)
43. 802.1s MSTP

44. SNMPv3
45. Multilevel CLI
46. SNMP trap group
47. configurable multicast VLAN
48. independent IGMP snooping and MVR setting
49. enlarge concurrent telnet session
50. RADIUS accounting
51. TACACS+ authentication
52. TACACS+ accounting
53. IGMPv3 snooping
54. Loop guard
55. Daylight saving time
56. DHCP relay
57. IEEE 802.1X enhancement: add NAS-Port-Type attribute for Access-Request packet.

Known Issue:

1. Don't suggest setting GS-2024 as the root bridge while enabling RSTP.
2. It may get the double limitation rate if enable bandwidth control with flow control scheme.
3. Don’t upload the ras file of different platform.
4. Some configurations in old rom may not be erased when using “erase running-config” CLI command at the first time.

Bug Fix:

1. Modify FAN RPM limitation for green product.

Limitation of Settings:

1. VLAN 1Q static entry 256
2. Static MAC forwarding entry 256
3. Cluster member 24
4. Management IP address 64
5. IGMP MVR entry 3
6. IGMP Filtering profile 256
7. Syslog server entry 4
8. MSTP MSTI 16
9. IGMP multicast VLAN entry 16
10. DHCP Entry 16

Change History:

V3.80(LT.1)C0 (12/04/2007)
Modify FAN RPM limitation for green product

V3.80(LT.0)C0 (10/30/2007)
Support new features

V3.60(LT.2)C0 (4/23/2007)
Enhanced features:
1. MAC prefix change to 0019cb
2. Support IXP42x B0 stepping to B1

V3.60(LT.1)C0 (4/27/2006)
Enhanced features:
1. Revise Fan speed limit high from 6500 to 7000
2. 3.60(LT.0)C0 (08/19/2005)

ZyXEL GS-2024 V3.80(LT.0)C0

Release Note/Manual Supplement

Date: Oct. 30, 2007

This document describes the features in the GS-2024 product for its 3.80(LT.0)C0 release.

Support Platforms:

ZyXEL GS-2024 V3.80(LT.0)C0 supports models: ZyXEL GS-2024

Version:

ZyNOS F/W Version: V3.80(LT.0) | 10/30/2007 14:29:49
Bootbase Version: V0.8 | 04/23/2007 13:32:12

Default Bootbase Setting:

ZyNOS Version	V3.80(LT.0) | 10/30/2007 14:29:49
Bootbase Version	V0.8 | 04/23/2007 13:32:12
Vendor Name	ZyXEL
Product Model	GS-2024
ZyNOS Code Model	GS-2024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	01
RomFile Version	AA
RomFile Checksum	8f0d
ZyNOS Checksum	1c37
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
B8 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 41 13 00 00 00	

Enhanced Features:

1. 802.1s MSTP
2. SNMPv3
3. Multilevel CLI
4. SNMP trap group
5. configurable multicast VLAN
6. independent IGMP snooping and MVR setting

7. enlarge concurrent telnet session
8. RADIUS accounting
9. TACACS+ authentication
10. TACACS+ accounting
11. IGMPv3 snooping
12. Loop guard
13. Daylight saving time
14. DHCP relay
15. Enlarge system logs

Features:

1. MAC address learning
2. Support IEEE 802.1D transparent bridge
3. Support IEEE 802.1Q tagged VLAN
4. Support Port-based VLAN
5. Support IEEE 802.1X
6. Support IEEE 802.1W
7. Support IEEE 802.3AD
8. Support GVRP
9. IGMP snooping
10. Support IEEE 802.1p
11. Automatic age out
12. Specific MAC addresses forwarding per port
13. Port Trunking
14. Port Mirroring
15. Bandwidth Control
16. Broadcast Storm Control
17. Support Strict Priority and WRR queuing method
18. Static IP management or dynamic IP(DHCP client)
19. Multiple IP address management
20. Firmware upgrade and configuration backup/restore.
21. Remote manageable.
22. Cluster Management
23. WEB manageable
24. Support RFC-1213 MIB II
25. Support RFC-1493 Bridge MIB
26. Support RFC-1643 Ethernet MIB
27. Support RFC-1757 Four group of RMON
28. Support RFC-2674 VLAN MIB
29. NEW CLI supported
30. System configuration backup / restore in text-mode
31. Multiple login supported
32. Radius management authentication
33. SSH/SSL support
34. DiffServ feature (DSCP – 802.1p priority mapping)
35. Multicast
36. MVR
37. IGMP Filtering
38. Syslog
39. Administration user management
40. RADIUS enhancement(for 802.1X enhancenment and multiple radius servers)
41. IGMP enhancement
42. Web enhancement (Select all, Clone)
43. 802.1s MSTP

44. SNMPv3
45. Multilevel CLI
46. SNMP trap group
47. configurable multicast VLAN
48. independent IGMP snooping and MVR setting
49. enlarge concurrent telnet session
50. RADIUS accounting
51. TACACS+ authentication
52. TACACS+ accounting
53. IGMPv3 snooping
54. Loop guard
55. Daylight saving time
56. DHCP relay
57. IEEE 802.1X enhancement: add NAS-Port-Type attribute for Access-Request packet.

Known Issue:

1. Don't suggest setting GS-2024 as the root bridge while enabling RSTP.
2. It may get the double limitation rate if enable bandwidth control with flow control scheme.
3. Don’t upload the ras file of different platform.
4. Some configurations in old rom may not be erased when using “erase running-config” CLI command at the first time.

Bug Fix:

1.

Limitation of Settings:

1. VLAN 1Q static entry 256
2. Static MAC forwarding entry 256
3. Cluster member 24
4. Management IP address 64
5. IGMP MVR entry 3
6. IGMP Filtering profile 256
7. Syslog server entry 4
8. MSTP MSTI 16
9. IGMP multicast VLAN entry 16
10. DHCP Entry 16

Change History:

V3.80(LT.0)C0 (10/30/2007)
Support new features

V3.60(LT.2)C0 (4/23/2007)
Enhanced features:
1. MAC prefix change to 0019cb
2. Support IXP42x B0 stepping to B1

V3.60(LT.1)C0 (4/27/2006)
Enhanced features:

1. Revise Fan speed limit high from 6500 to 7000

V3.60(LT.0)C0 (08/19/2005)

ZyXEL GS-2024 V3.60(LT.2)

Release Note/Manual Supplement

Date: April 27, 2006

This document describes the features in the GS-2024 product for its 3.60(LT.2) release.

Support Platforms:

ZyXEL GS-2024 V3.60(LT.2) supports models: Dimension GS-2024

Version:

ZyNOS Version: V3.60(LT.2) | 04/23/2007 12:00:42
Bootbase Version: V0.8 | 04/23/2007 13:32:12

Default Bootbase Setting:

ZyNOS Version	V3.60(LT.2) | 04/23/2007 12:00:42
Bootbase Version	V0.8 | 04/23/2007 13:32:12
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-2024
ZyNOS Code Model	GS-2024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	0019CB000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	43
RomFile Checksum	3380
ZyNOS Checksum	4ef7
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
D8 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Features:

1. 24 ports Auto MDI/MDI-X 100/1000Mbps compliant with IEEE802.3u/x/ab
2. 8K layer2 MAC addresses table
3. Port-based VLAN

4. IEEE 802.1Q tag-based VLAN
5. Support 802.3x/ad
6. IGMP snooping
7. Management through console, telnet, SNMP or web management
8. Firmware upgrade by FTP or HTTP
9. Clustering management

Enhanced Features:

1. MAC prefix change to 0019cb
2. Support IXP42x B0 stepping to B1

Known Issue:

5. Don't suggest setting GS-2024 as the root bridge while enabling RSTP.
6. It may get the double limitation rate if enable bandwidth control with flow control scheme.
7. Don't upload the ras file of different platform.
8. Some configurations in old rom may not be erased when using "erase running-config" CLI command at the first time.

Bug Fix:

Change History:

V3.60(LT.2)C0 (4/23/2007)
Enhanced features:
3. MAC prefix change to 0019cb
4. Support IXP42x B0 stepping to B1

V3.60(LT.1)C0 (4/27/2006)
Enhanced features:
2. Revise Fan speed limit high from 6500 to 7000

V3.60(LT.0)C0 (08/19/2005)

ZyXEL GS-2024 V3.60(LT.1)

Release Note/Manual Supplement

Date: April 27, 2006

This document describes the features in the GS-2024 product for its 3.60(LT.1) release.

Support Platforms:

ZyXEL GS-2024 V3.60(LT.1) supports models: Dimension GS-2024

Version:

ZyNOS Version: V3.60(LT.1) | 04/27/2006
Bootbase Version: V0.7 | 06/09/2005

Default Bootbase Setting:

ZyNOS Version	V3.60(LT.1) | 04/27/2006 10:22:01
Bootbase Version	V0.7 | 06/09/2005 16:44:26
Vendor Name	ZyXEL Communications Corp.
Product Model	GS-2024
ZyNOS Code Model	GS-2024
HTP Code Model	Unknown
ZyNOS ROM address	50080000
System Type	10
MAC Address	001349000001
Default Country Code	FF
Boot Module Debug Flag	00
RomFile Version	43
RomFile Checksum	3380
ZyNOS Checksum	8b43
SNMP MIB level & OID	060102030405060708091011121314151617181920
Main Feature Bits	C0
Other Feature Bits	
D8 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00-00 4113 00 00 00	

Features:

1. 24 ports Auto MDI/MDI-X 100/1000Mbps compliant with IEEE802.3u/x/ab
2. 8K layer2 MAC addresses table
3. Port-based VLAN
4. IEEE 802.1Q tag-based VLAN
5. Support 802.3x/ad
6. IGMP snooping

7. Management through console, telnet, SNMP or web management
8. Firmware upgrade by FTP or HTTP
9. Clustering management

Enhanced Features:

5. Revise Fan speed limit high from 6500 to 7000

Known Issue:

1. Don't suggest setting GS-2024 as the root bridge while enabling RSTP.
2. It may get the double limitation rate if enable bandwidth control with flow control scheme.
3. Don’t upload the ras file of different platform.
4. Some configurations in old rom may not be erased when using “erase running-config” CLI command at the first time.

Bug Fix:

Change History:

V3.60(LT.1)C0 (4/27/2006)
Enhanced features:
1. Revise Fan speed limit high from 6500 to 7000

V3.60(LT.0)C0 (08/19/2005)

ZyXEL GS-2024 V3.60(LT.0)

Release Note/Manual Supplement

Date: Aug 19, 2005

This document describes the features in the GS-2024 product for its 3.60(LT.0) release.

Support Platforms:

ZyXEL GS-2024 V3.60(LT.0) supports models: Dimension GS-2024

Version:

ZyNOS Version: V3.60(LT.0) | 08/19/2005
Bootbase Version: V0.7 | 06/09/2005

Features:

1. 24 ports Auto MDI/MDI-X 100/1000Mbps compliant with IEEE802.3u/x/ab
2. 8K layer2 MAC addresses table
3. Port-based VLAN
4. IEEE 802.1Q tag-based VLAN
5. Support 802.3x/ad
6. IGMP snooping
7. Management through console, telnet, SNMP or web management
8. Firmware upgrade by FTP or HTTP
9. Clustering management

Known Issue:

1. Don't suggest setting GS-2024 as the root bridge while enabling RSTP.
2. It may get the double limitation rate if enable bandwidth control with flow control scheme.
3. Don’t upload the ras file of different platform.
4. Some configurations in old rom may not be erased when using “erase running-config” CLI command at the first time.

Bug Fix:

Manufacture Related Data:

```
ZyNOS Version          : V3.60(LT.0) | 08/19/2005 10:12:33
Bootbase Version       : V0.7 | 06/09/2005 16:44:26
Serial Number          : xxxxxxxxxxxxxx
Vendor Name            : ZyXEL Communications Corp.
Product Model          : GS-2024
ZyNOS Code Model       : GS-2024
HTP Code Model         : Unknown
ZyNOS ROM address      : 50080000
System Type            : 10
MAC Address            : 001349000001
Default Country Code   : FF
Boot Module Debug Flag : 01
RomFile Version        : 43
RomFile Checksum       : 3380
ZyNOS Checksum         : 827b
SNMP MIB level & OID   : 060102030405060708091011121314151617181920
Main Feature Bits      : C0
Other Feature Bits     :
          B8 00 00 00 00 00 00 00-00 00 00 00 00 00 00 00
          00 00 00 00 00 00 00 00-00 41 13 00 00 00
```

Firmware Upgrade:

The GS-2024 uses FTP to upgrade firmware in run-time through its built-in FTP server. You can use any FTP client (for example, ftp.exe in Windows) to upgrade GS-2024. The upgrade procedure is as follows:

Upgrade GS-2024 FW:

```
C:\> ftp <GS-2024 IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 360LT0b0.bin ras
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 360LT0b0.bin : the name of firmware file you want to upgrade
- ras : the internal firmware name in GS-2024

Configuration Upgrade:

The GS-2024 uses FTP to upgrade configuration in run-time through its built-in FTP server. You can use any FTP client (for example, ftp.exe in Windows) to upgrade GS-2024. The upgrade procedure is as follows:

Upgrade GS-2024 configuration:

```
C:\> ftp <GS-2024 IP address>
User : <Enter>
Password: 1234
230 Logged in
ftp> put 360LT0b0.rom rom-0
ftp> bye
```

Where

- User name : just press <Enter>
- Password : the management password, 1234 by default
- 360LT0b0.rom : the name of configuration file you want to upgrade
- rom-0 : the internal configuration name in GS-2024